

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|------------------------------|------------------|---------|------------------|
| S1 | 11245 | "database management system" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/21 11:25 |
| S3 | 65 | neighborhood adj2 lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 17:54 |
| S4 | 0 | S3 and data adj2 lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 11:16 |
| S5 | 0 | free adj2 space adj2 tuple | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 15:56 |
| S6 | 4 | free with space with tuple | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 11:59 |
| S7 | 81 | index with space with lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 11:59 |
| S9 | 4 | index with space with lock and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 17:49 |
| S10 | 0 | ("nonadj2serializablewithtransaction").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/03/20 12:43 |
| S11 | 7 | non adj2 serializable with transaction | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 15:18 |
| S12 | 10 | neighborhood adj2 locking | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 15:12 |
| S13 | 6 | index with space with lock and ("707/").ccls" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 15:13 |
| S14 | 1 | non adj2 serializable with lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 15:18 |
| S15 | 59 | free adj2 space adj2 record | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 15:56 |
| S16 | 136 | free adj2 space adj4 (record or tuple) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 15:57 |
| S17 | 45 | free adj2 space adj4 (record or tuple) and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 16:43 |

EAST Search History

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|-----|-----|--|--|----|----|------------------|
| S18 | 6 | space adj2 between adj4 (record or tuple) and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 16:02 |
| S19 | 3 | "first locking mode" same "second locking mode" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 16:45 |
| S20 | 0 | non-serializable adj2 scan | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 16:45 |
| S21 | 0 | non\$1serializable adj2 (scan or search or query) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 16:47 |
| S22 | 6 | non\$1serializ\$ adj2 (scan or search or query or transaction) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 16:47 |
| S23 | 4 | index with space with lock and ("707/").ccls. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/03/20 17:49 |
| S24 | 33 | database with lock with serial | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/20 17:54 |
| S25 | 163 | database same lock with row | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 15:30 |
| S26 | 26 | partial adj2 lock same database | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 13:30 |
| S27 | 9 | data adj2 item adj2 lock with database | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 13:07 |
| S28 | 0 | free adj space adj2 lock same database | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 13:58 |
| S29 | 1 | free adj space with lock same database | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 13:59 |
| S32 | 37 | partial with lock with row | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:06 |
| S33 | 84 | partial\$ with lock with row | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:06 |
| S34 | 1 | partial\$ with lock with row with space | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:07 |

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|-----|------|---|------------------------------|----|----|------------------|
| S35 | 3 | partial\$ with lock with row and ("707/")".ccls" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:10 |
| S36 | 148 | index with tuples with table | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:11 |
| S37 | 38 | index with tuples with table and ("707/")".ccls" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:39 |
| S38 | 4638 | space adj2 between adj2 (row or tuples or objects) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:40 |
| S39 | 4305 | space adj2 between adj2 (row or tuples or data) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:41 |
| S40 | 104 | space adj2 between adj2 (row or tuples or data) same lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:41 |
| S41 | 18 | space adj2 between adj2 (row or tuples or data) with lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 14:42 |
| S42 | 4 | space adj2 between adj2 (row or tuples or data) with data\$base | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 15:01 |
| S43 | 23 | "hash lock" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 15:01 |
| S44 | 64 | database same lock with "data item" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 15:45 |
| S45 | 109 | lock\$ with mode with database | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 15:56 |
| S46 | 2 | row adj index with lock same data\$base | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 16:09 |
| S47 | 49 | snei | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 16:10 |
| S48 | 18 | xnei | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 16:11 |
| S49 | 89 | database with lock\$ with scheme | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 16:26 |

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|-----|-----|--|--|----|----|------------------|
| S50 | 1 | "index lock scheme" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 16:26 |
| S51 | 1 | index adj2 lock adj2 scheme | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 16:36 |
| S52 | 15 | access adj privileges with (data adj item) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 16:43 |
| S53 | 15 | still adj2 allow adj2 read | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 16:45 |
| S54 | 567 | "tree index" and database | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 16:45 |
| S55 | 125 | "tree index" and database and lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 16:46 |
| S56 | 20 | "tree index" and database and lock with mode | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 16:50 |
| S57 | 19 | "tree index" and ("707/").ccls. and lock with mode | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/22 16:50 |
| S58 | 15 | new adj2 lock adj2 mode | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/23 09:59 |
| S59 | 7 | (non adj serializable) with transaction | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 13:36 |
| S60 | 7 | (non adj serializable) with transaction | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 13:38 |
| S61 | 6 | (non-serializable) with transaction | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 13:56 |
| S62 | 29 | non-serializab\$5 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 14:30 |

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|-----|------|--|--|----|-----|------------------|
| S63 | 31 | non adj serializab\$5 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 16:29 |
| S64 | 9 | new adj lock adj type | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 14:23 |
| S65 | 657 | range adj locking | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 15:22 |
| S66 | 1820 | range adj lock\$3 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 15:21 |
| S67 | 0 | (neighborhood range) adj lock\$3 and "707".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 15:22 |
| S68 | 121 | (neighborhood range) adj lock\$3 and "707".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 15:29 |
| S69 | 88 | (neighborhood range) adj lock\$3 and "707".ccls. and database | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 15:45 |
| S70 | 1 | ("5485607").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2006/10/03 15:45 |
| S71 | 0 | ("nonadjserializableadjlock").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2006/10/03 16:29 |
| S72 | 0 | non adj serializab\$5 adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 16:30 |

EAST Search History

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|-----|------|--------------------------------|--|----|----|------------------|
| S73 | 0 | non adj serializab\$5 adj scan | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 16:30 |
| S74 | 0 | non-serializab\$5 adj scan | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 16:30 |
| S75 | 0 | non-serializab\$5 with scan | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 16:30 |
| S76 | 1 | non-serializab\$5 with lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/04 16:11 |
| S77 | 0 | non-serializab\$5 with read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 16:50 |
| S78 | 0 | non-serializ\$ with read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 16:51 |
| S79 | 1807 | serializ\$ with read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 16:51 |
| S80 | 95 | serializ\$ adj read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 16:53 |
| S81 | 0 | nonserializ\$ adj read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 16:53 |
| S82 | 0 | non-serializ\$ adj read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 16:53 |

EAST Search History

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|-----|--------|---|--|----|----|------------------|
| S83 | 0 | non-serializ\$ adj (read scan lock) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 16:54 |
| S84 | 2 | non-serializ\$ adj (read scan lock transaction) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 16:57 |
| S85 | 139533 | sn | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 16:57 |
| S86 | 9 | sn adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 18:23 |
| S87 | 3 | new adj lock adj modes same (dbms database) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 18:31 |
| S88 | 283 | index adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 18:34 |
| S89 | 29 | index adj lock and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 18:58 |
| S90 | 3 | index adj lock and (lock near2 item) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 18:36 |
| S91 | 40 | read adj lock with (neighborhood space index) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 19:00 |
| S92 | 21 | read adj lock with (neighborhood space) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/03 19:00 |

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|------|------|---|--|----|----|------------------|
| S93 | 0 | database near index with free adj space | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/04 09:39 |
| S94 | 4 | (database near index) same (free adj space) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/04 09:39 |
| S95 | 160 | (database near index) same (space) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/04 09:41 |
| S96 | 2 | (database near index) same (space) and \$serializable | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/04 09:53 |
| S97 | 60 | neighborhood near lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/04 10:52 |
| S98 | 0 | neighborhood near lock and "707/".ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/04 09:53 |
| S99 | 2027 | range near lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/04 10:52 |
| S100 | 136 | range near lock\$3 and "707/".ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/04 11:08 |
| S101 | 2 | range near lock\$3 and MGL | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/04 11:09 |
| S102 | 2 | range near lock\$3 and (MGL or "multigranularity locking") | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/04 11:10 |
| S103 | 3 | range near lock\$3 and (MGL or "multi-granularity locking") | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/04 11:53 |
| S104 | 11 | range near between near (tuples records) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/04 11:54 |
| S105 | 1 | non-serializab\$5 with (lock scan read) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/04 16:15 |
| S106 | 346 | additional with lock with mode | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/04 16:15 |

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|----------|------|---|--|----|----|------------------|
| S10 7 | 7 | additional with lock with mode and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/04 16:16 |
| S10 8 | 64 | (new additional) with lock with mode and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/04 16:21 |
| S10 9 | 27 | non-serializable | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/05 16:05 |
| S11 0 | 6 | non-serializable with (transaction mode read) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/04 16:28 |
| S11 1 | 506 | index adj lock\$3 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/04 16:28 |
| S11 2 | 43 | index adj lock\$3 and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/04 17:39 |
| S11 3 | 0 | s-non-serializable | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/04 17:39 |
| S11 4 | 4005 | (two multiple) with lock\$3 with mode | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/05 09:16 |
| S11 5 | 65 | (two multiple) with lock\$3 with mode and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/05 09:18 |
| S11 6 | 22 | (two multiple) near2 lock\$3 with mode and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/05 13:44 |
| S11 7 | 211 | index with lock and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/05 18:16 |

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|----------|-----|---|---|----|-----|------------------|
| S11 8 | 1 | ("6618720").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2006/10/05 15:16 |
| S11 9 | 27 | non-serializable | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/05 16:06 |
| S12 0 | 300 | neighborhood with lock | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/05 16:06 |
| S12 1 | 0 | neighborhood with lock and "707/". ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/05 16:06 |
| S12 2 | 1 | neighborhood with lock and database | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/05 16:12 |
| S12 3 | 91 | non-serializ\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/05 16:13 |
| S12 4 | 6 | non-serializ\$4 with (read lock write)\ | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/05 16:13 |
| S12 5 | 6 | non-serializ\$4 with (read lock write) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/05 16:13 |
| S12 6 | 76 | index with lock same (read write) and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/05 16:28 |

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|----------|-------|--|---|----|-----|------------------|
| S12 7 | 76 | index with lock same (read write) and ("707/").ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/05 16:31 |
| S12 8 | 37 | index near2 lock\$3 same (read write) and ("707/").ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/05 17:06 |
| S12 9 | 1892 | mohan.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/05 18:17 |
| S13 0 | 37 | mohan-chandrasekaran.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/05 18:17 |
| S13 1 | 1 | ("20050289188").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2006/10/07 16:58 |
| S13 2 | 0 | xw adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/10/07 17:53 |
| S13 3 | 1 | ("6009425").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2006/10/07 17:53 |
| S13 4 | 37 | ("3916387" "4677550" "4754326" "4821336" "4823310" "4914569" "4945474" "4965516" "5010478" "5123104" "5218696" "5230047" "5237678" "5430869" "5440732" "5475837" "5485607" "5490258" "5495609" "5537574" "5551027" "5551046" "5560007" "5694608" "5717919" "5812996" "5832508").PN. OR ("6009425").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/10/07 17:53 |
| S13 5 | 10 | ("6009425").URPN. | USPAT | OR | ON | 2006/10/07 17:59 |
| S13 6 | 13001 | "database management system" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |

EAST Search History

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|----------|-----|--|------------------------------|----|-----|------------------|
| S13 7 | 70 | neighborhood adj2 lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S13 8 | 0 | S137 and data adj2 lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S13 9 | 0 | free adj2 space adj2 tuple | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S14 0 | 4 | free with space with tuple | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S14 1 | 82 | index with space with lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S14 2 | 5 | index with space with lock and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S14 3 | 70 | neighborhood adj2 lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S14 4 | 0 | ("nonadj2serializablewithtransaction").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/11/07 09:51 |
| S14 5 | 7 | non adj2 serializable with transaction | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S14 6 | 10 | neighborhood adj2 locking | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S14 7 | 7 | index with space with lock and ("707/").ccls" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S14 8 | 1 | non adj2 serializable with lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S14 9 | 67 | free adj2 space adj2 record | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S15 0 | 149 | free adj2 space adj4 (record or tuple) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S15 1 | 51 | free adj2 space adj4 (record or tuple) and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |

EAST Search History

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|----------|-----|--|--|----|----|------------------|
| S15 2 | 7 | space adj2 between adj4 (record or tuple) and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S15 3 | 4 | "first locking mode" same "second locking mode" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S15 4 | 0 | non-serializable adj2 scan | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S15 5 | 0 | non\$1serializable adj2 (scan or search or query) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S15 6 | 6 | non\$1serializ\$ adj2 (scan or search or query or transaction) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S15 7 | 5 | index with space with lock and ("707/").ccls. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2006/11/07 09:51 |
| S15 8 | 40 | database with lock with serial | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S15 9 | 184 | database same lock with row | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S16 0 | 12 | data adj2 item adj2 lock with database | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S16 1 | 29 | partial adj2 lock same database | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S16 2 | 0 | free adj space adj2 lock same database | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S16 3 | 2 | free adj space with lock same database | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S16 4 | 37 | partial with lock with row | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S16 5 | 84 | partial\$ with lock with row | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S16 6 | 1 | partial\$ with lock with row with space | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |

EAST Search History

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|----------|------|---|------------------------------|----|----|------------------|
| S16 7 | 3 | partial\$ with lock with row and ("707/")".ccls" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S16 8 | 178 | index with tuples with table | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S16 9 | 43 | index with tuples with table and ("707/")".ccls" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S17 0 | 4808 | space adj2 between adj2 (row or tuples or objects) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S17 1 | 4461 | space adj2 between adj2 (row or tuples or data) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S17 2 | 105 | space adj2 between adj2 (row or tuples or data) same lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S17 3 | 18 | space adj2 between adj2 (row or tuples or data) with lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S17 4 | 4 | space adj2 between adj2 (row or tuples or data) with data\$base | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S17 5 | 25 | "hash lock" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S17 6 | 74 | database same lock with "data item" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S17 7 | 119 | lock\$ with mode with database | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S17 8 | 2 | row adj index with lock same data\$base | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S17 9 | 51 | snei | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S18 0 | 18 | xnei | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S18 1 | 94 | database with lock\$ with scheme | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |

EAST Search History

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|----------|-----|---|--|----|----|------------------|
| S18 2 | 1 | "index lock scheme" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S18 3 | 1 | index adj2 lock adj2 scheme | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S18 4 | 16 | access adj privileges with (data adj item) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S18 5 | 17 | still adj2 allow adj2 read | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S18 6 | 627 | "tree index" and database | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S18 7 | 138 | "tree index" and database and lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S18 8 | 20 | "tree index" and database and lock with mode | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S18 9 | 19 | "tree index" and ("707/").ccls. and lock with mode | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S19 0 | 18 | new adj2 lock adj2 mode | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S19 1 | 7 | (non adj serializable) with transaction | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S19 2 | 7 | (non adj serializable) with transaction | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S19 3 | 6 | (non-serializable) with transaction | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S19 4 | 9 | new adj lock adj type | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |

EAST Search History

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|----------|------|--|--|----|-----|------------------|
| S19 5 | 29 | non-serializab\$5 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S19 6 | 31 | non adj serializab\$5 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S19 7 | 1837 | range adj lock\$3 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S19 8 | 0 | (neighborhood range) adj lock\$3 and "707".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S19 9 | 666 | range adj locking | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S20 0 | 125 | (neighborhood range) adj lock\$3 and "707".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S20 1 | 90 | (neighborhood range) adj lock\$3 and "707".ccls. and database | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S20 2 | 1 | ("5485607").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2006/11/07 09:51 |
| S20 3 | 0 | ("nonadjserializableadjlock").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2006/11/07 09:51 |
| S20 4 | 0 | non adj serializab\$5 adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |

EAST Search History

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|----------|------|--------------------------------|--|----|----|------------------|
| S20 5 | 0 | non adj serializab\$5 adj scan | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S20 6 | 0 | non-serializab\$5 adj scan | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S20 7 | 0 | non-serializab\$5 with scan | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S20 8 | 1 | non-serializab\$5 with lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S20 9 | 0 | non-serializab\$5 with read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S21 0 | 0 | non-serializ\$ with read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S21 1 | 1835 | serializ\$ with read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S21 2 | 95 | serializ\$ adj read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S21 3 | 0 | nonserializ\$ adj read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S21 4 | 0 | non-serializ\$ adj read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |

EAST Search History

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|----------|--------|---|--|----|----|------------------|
| S21 5 | 0 | non-serializ\$ adj (read scan lock) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S21 6 | 2 | non-serializ\$ adj (read scan lock transaction) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S21 7 | 140671 | sn | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S21 8 | 9 | sn adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S21 9 | 3 | new adj lock adj modes same (dbms database) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S22 0 | 284 | index adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S22 1 | 29 | index adj lock and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S22 2 | 3 | index adj lock and (lock near2 item) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S22 3 | 41 | read adj lock with (neighborhood space index) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S22 4 | 22 | read adj lock with (neighborhood space) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |

EAST Search History

| | | | | | | |
|----------|------|---|--|----|----|------------------|
| S22 5 | 0 | database near index with free adj space | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S22 6 | 162 | (database near index) same (space) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S22 7 | 5 | (database near index) same (free adj space) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S22 8 | 2 | (database near index) same (space) and \$serializable | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S22 9 | 0 | neighborhood near lock and "707/".ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S23 0 | 61 | neighborhood near lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S23 1 | 2044 | range near lock | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S23 2 | 140 | range near lock\$3 and "707/".ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S23 3 | 2 | range near lock\$3 and MGL | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S23 4 | 2 | range near lock\$3 and (MGL or "multigranularity locking") | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S23 5 | 3 | range near lock\$3 and (MGL or "multi-granularity locking") | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S23 6 | 11 | range near between near (tuples records) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S23 7 | 1 | non-serializab\$5 with (lock scan read) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S23 8 | 349 | additional with lock with mode | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |

EAST Search History

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|----------|------|---|--|----|----|------------------|
| S23 9 | 7 | additional with lock with mode and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S24 0 | 65 | (new additional) with lock with mode and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S24 1 | 27 | non-serializable | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S24 2 | 6 | non-serializable with (transaction mode read) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S24 3 | 509 | index adj lock\$3 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S24 4 | 43 | index adj lock\$3 and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S24 5 | 0 | s-non-serializable | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S24 6 | 4038 | (two multiple) with lock\$3 with mode | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S24 7 | 65 | (two multiple) with lock\$3 with mode and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S24 8 | 22 | (two multiple) near2 lock\$3 with mode and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S24 9 | 212 | index with lock and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |

EAST Search History

| | | | | | | |
|----------|-----|---|---|----|-----|------------------|
| S25 0 | 1 | ("6618720").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2006/11/07 09:51 |
| S25 1 | 27 | non-serializable | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S25 2 | 303 | neighborhood with lock | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S25 3 | 0 | neighborhood with lock and "707/". ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S25 4 | 1 | neighborhood with lock and database | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S25 5 | 93 | non-serializ\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S25 6 | 6 | non-serializ\$4 with (read lock write)\ | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S25 7 | 6 | non-serializ\$4 with (read lock write) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S25 8 | 77 | index with lock same (read write) and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |

EAST Search History

| | | | | | | |
|----------|-------|---|---|----|-----|------------------|
| S25 9 | 77 | index with lock same (read write) and ("707/").ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S26 0 | 37 | index near2 lock\$3 same (read write) and ("707/").ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S26 1 | 1907 | mohan.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S26 2 | 37 | mohan-chandrasekaran.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S26 3 | 1 | ("20050289188").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2006/11/07 09:51 |
| S26 4 | 0 | xw adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2006/11/07 09:51 |
| S26 5 | 1 | ("6009425").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2006/11/07 09:51 |
| S26 6 | 37 | ("3916387" "4677550" "4754326" "4821336" "4823310" "4914569" "4945474" "4965516" "5010478" "5123104" "5218696" "5230047" "5237678" "5430869" "5440732" "5475837" "5485607" "5490258" "5495609" "5537574" "5551027" "5551046" "5560007" "5694608" "5717919" "5812996" "5832508").PN. OR ("6009425").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/07 09:51 |
| S26 7 | 10 | ("6009425").URPN. | USPAT | OR | ON | 2006/11/07 09:51 |
| S27 0 | 13806 | "database management system" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|----------|-----|--|------------------------------|----|-----|------------------|
| S27 1 | 70 | neighborhood adj2 lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S27 2 | 0 | S271 and data adj2 lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S27 3 | 0 | free adj2 space adj2 tuple | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S27 4 | 4 | free with space with tuple | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S27 5 | 82 | index with space with lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S27 6 | 5 | index with space with lock and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S27 7 | 70 | neighborhood adj2 lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S27 8 | 0 | ("nonadj2serializablewithtransaction ").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/23 15:10 |
| S27 9 | 7 | non adj2 serializable with transaction | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S28 0 | 10 | neighborhood adj2 locking | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S28 1 | 7 | index with space with lock and ("707/").ccls" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S28 2 | 1 | non adj2 serializable with lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S28 3 | 69 | free adj2 space adj2 record | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S28 4 | 154 | free adj2 space adj4 (record or tuple) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S28 5 | 52 | free adj2 space adj4 (record or tuple) and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|----------|-----|--|--|----|----|------------------|
| S28 6 | 7 | space adj2 between adj4 (record or tuple) and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S28 7 | 4 | "first locking mode" same "second locking mode" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S28 8 | 0 | non-serializable adj2 scan | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S28 9 | 0 | non\$1serializable adj2 (scan or search or query) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S29 0 | 6 | non\$1serializ\$ adj2 (scan or search or query or transaction) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S29 1 | 5 | index with space with lock and ("707/").ccls. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2007/02/23 15:10 |
| S29 2 | 41 | database with lock with serial | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S29 3 | 195 | database same lock with row | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S29 4 | 12 | data adj2 item adj2 lock with database | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S29 5 | 29 | partial adj2 lock same database | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S29 6 | 0 | free adj space adj2 lock same database | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S29 7 | 2 | free adj space with lock same database | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S29 8 | 37 | partial with lock with row | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S29 9 | 188 | index with tuples with table | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S30 0 | 44 | index with tuples with table and ("707/").ccls" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |

EAST Search History

| | | | | | | |
|----------|------|---|------------------------------|----|----|------------------|
| S30 1 | 4881 | space adj2 between adj2 (row or tuples or objects) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S30 2 | 4520 | space adj2 between adj2 (row or tuples or data) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S30 3 | 105 | space adj2 between adj2 (row or tuples or data) same lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S30 4 | 18 | space adj2 between adj2 (row or tuples or data) with lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S30 5 | 4 | space adj2 between adj2 (row or tuples or data) with data\$base | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S30 6 | 25 | "hash lock" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S30 7 | 78 | database same lock with "data item" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S30 8 | 125 | lock\$ with mode with database | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S30 9 | 2 | row adj index with lock same data\$base | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S31 0 | 51 | snei | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S31 1 | 18 | xnei | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S31 2 | 96 | database with lock\$ with scheme | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S31 3 | 1 | "index lock scheme" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S31 4 | 1 | index adj2 lock adj2 scheme | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S31 5 | 16 | access adj privileges with (data adj item) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |

EAST Search History

| | | | | | | |
|----------|-----|---|--|----|----|------------------|
| S31 6 | 18 | still adj2 allow adj2 read | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S31 7 | 654 | "tree index" and database | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S31 8 | 144 | "tree index" and database and lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S31 9 | 22 | "tree index" and database and lock with mode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S32 0 | 21 | "tree index" and ("707/").ccls. and lock with mode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S32 1 | 19 | new adj2 lock adj2 mode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S32 2 | 7 | (non adj serializable) with transaction | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S32 3 | 7 | (non adj serializable) with transaction | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S32 4 | 6 | (non-serializable) with transaction | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S32 5 | 10 | new adj lock adj type | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S32 6 | 32 | non-serializab\$5 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S32 7 | 34 | non adj serializab\$5 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|----------|------|--|--|----|-----|------------------|
| S32 8 | 1876 | range adj lock\$3 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S32 9 | 0 | (neighborhood range) adj lock\$3 and "707".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S33 0 | 678 | range adj locking | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S33 1 | 136 | (neighborhood range) adj lock\$3 and "707".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S33 2 | 100 | (neighborhood range) adj lock\$3 and "707".ccls. and database | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S33 3 | 1 | ("5485607").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/02/23 15:10 |
| S33 4 | 0 | ("nonadjserializableadjlock").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/02/23 15:10 |
| S33 5 | 0 | non adj serializab\$5 adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S33 6 | 0 | non adj serializab\$5 adj scan | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S33 7 | 0 | non-serializab\$5 adj scan | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|----------|------|---|--|----|----|------------------|
| S33 8 | 0 | non-serializab\$5 with scan | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S33 9 | 1 | non-serializab\$5 with lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S34 0 | 0 | non-serializab\$5 with read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S34 1 | 0 | non-serializ\$ with read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S34 2 | 1914 | serializ\$ with read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S34 3 | 98 | serializ\$ adj read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S34 4 | 0 | nonserializ\$ adj read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S34 5 | 0 | non-serializ\$ adj read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S34 6 | 0 | non-serializ\$ adj (read scan lock) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S34 7 | 2 | non-serializ\$ adj (read scan lock transaction) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|----------|--------|---|--|----|----|------------------|
| S34 8 | 144099 | sn | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S34 9 | 9 | sn adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S35 0 | 3 | new adj lock adj modes same (dbms database) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S35 1 | 296 | index adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S35 2 | 29 | index adj lock and "707/" .ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S35 3 | 3 | index adj lock and (lock near2 item) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S35 4 | 43 | read adj lock with (neighborhood space index) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S35 5 | 22 | read adj lock with (neighborhood space) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S35 6 | 0 | database near index with free adj space | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S35 7 | 176 | (database near index) same (space) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S35 8 | 5 | (database near index) same (free adj space) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|----------|------|---|--|----|----|------------------|
| S35 9 | 3 | (database near index) same (space) and \$serializable | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S36 0 | 0 | neighborhood near lock and "707/".ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S36 1 | 61 | neighborhood near lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S36 2 | 2091 | range near lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S36 3 | 152 | range near lock\$3 and "707/".ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S36 4 | 2 | range near lock\$3 and MGL | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S36 5 | 2 | range near lock\$3 and (MGL or "multigranularity locking") | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S36 6 | 3 | range near lock\$3 and (MGL or "multi-granularity locking") | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S36 7 | 12 | range near between near (tuples records) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S36 8 | 1 | non-serializab\$5 with (lock scan read) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S36 9 | 354 | additional with lock with mode | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S37 0 | 8 | additional with lock with mode and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S37 1 | 66 | (new additional) with lock with mode and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|----------|------|--|---|----|-----|------------------|
| S37 2 | 30 | non-serializable | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S37 3 | 6 | non-serializable with (transaction mode read) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S37 4 | 524 | index adj lock\$3 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S37 5 | 45 | index adj lock\$3 and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S37 6 | 0 | s-non-serializable | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S37 7 | 4179 | (two multiple) with lock\$3 with mode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S37 8 | 72 | (two multiple) with lock\$3 with mode and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S37 9 | 28 | (two multiple) near2 lock\$3 with mode and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S38 0 | 225 | index with lock and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S38 1 | 1 | ("6618720").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/02/23 15:10 |
| S38 2 | 30 | non-serializable | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:10 |

EAST Search History

| | | | | | | |
|----------|-----|---|---|----|----|------------------|
| S38 3 | 308 | neighborhood with lock | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S38 4 | 0 | neighborhood with lock and "707/". ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S38 5 | 2 | neighborhood with lock and database | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S38 6 | 104 | non-serializ\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S38 7 | 6 | non-serializ\$4 with (read lock write)\ | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S38 8 | 6 | non-serializ\$4 with (read lock write) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S38 9 | 81 | index with lock same (read write) and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S39 0 | 81 | index with lock same (read write) and ("707/").ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S39 1 | 40 | index near2 lock\$3 same (read write) and ("707/").ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|----------|-------|---|--|----|-----|------------------|
| S39 2 | 1990 | mohan.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S39 3 | 37 | mohan-chandrasekaran.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S39 4 | 1 | ("20050289188").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/02/23 15:10 |
| S39 5 | 0 | xw adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S39 6 | 1 | ("6009425").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/02/23 15:10 |
| S39 7 | 37 | ("3916387" "4677550" "4754326" "4821336" "4823310" "4914569" "4945474" "4965516" "5010478" "5123104" "5218696" "5230047" "5237678" "5430869" "5440732" "5475837" "5485607" "5490258" "5495609" "5537574" "5551027" "5551046" "5560007" "5694608" "5717919" "5812996" "5832508").PN. OR ("6009425").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S39 8 | 10 | ("6009425").URPN. | USPAT | OR | ON | 2007/02/23 15:10 |
| S39 9 | 13806 | "database management system" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S40 0 | 70 | neighborhood adj2 lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S40 1 | 0 | S400 and data adj2 lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S40 2 | 0 | free adj2 space adj2 tuple | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S40 3 | 82 | index with space with lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |

EAST Search History

| | | | | | | |
|----------|------|---|------------------------------|----|-----|------------------|
| S40 4 | 0 | ("nonadj2serializablewithtransaction").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/02/23 15:10 |
| S40 5 | 154 | free adj2 space adj4 (record or tuple) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S40 6 | 7 | space adj2 between adj4 (record or tuple) and ("707/).ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S40 7 | 0 | non-serializable adj2 scan | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S40 8 | 0 | non\$1serializable adj2 (scan or search or query) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S40 9 | 0 | free adj space adj2 lock same database | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S41 0 | 37 | partial with lock with row | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S41 1 | 188 | index with tuples with table | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S41 2 | 4881 | space adj2 between adj2 (row or tuples or objects) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S41 3 | 4520 | space adj2 between adj2 (row or tuples or data) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S41 4 | 105 | space adj2 between adj2 (row or tuples or data) same lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S41 5 | 78 | database same lock with "data item" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S41 6 | 1 | index adj2 lock adj2 scheme | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S41 7 | 654 | "tree index" and database | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S41 8 | 144 | "tree index" and database and lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|----------|------|---|--|----|-----|------------------|
| S41 9 | 1876 | range adj lock\$3 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S42 0 | 0 | (neighborhood range) adj lock\$3 and "707".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S42 1 | 0 | ("nonadjserializableadjlock").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/02/23 15:10 |
| S42 2 | 0 | non adj serializab\$5 adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S42 3 | 0 | non adj serializab\$5 adj scan | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S42 4 | 0 | non-serializab\$5 adj scan | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S42 5 | 0 | non-serializab\$5 with scan | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S42 6 | 0 | non-serializab\$5 with read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S42 7 | 0 | non-serializ\$ with read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S42 8 | 1914 | serializ\$ with read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|------|--------|--|--|----|----|------------------|
| S429 | 98 | serializ\$ adj read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S430 | 0 | nonserializ\$ adj read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S431 | 0 | non-serializ\$ adj read | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S432 | 0 | non-serializ\$ adj (read scan lock) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S433 | 144099 | sn | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S434 | 43 | read adj lock with (neighborhood space index) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S435 | 0 | database near index with free adj space | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S436 | 176 | (database near index) same (space) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S437 | 0 | neighborhood near lock and "707/".ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S438 | 2091 | range near lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S439 | 152 | range near lock\$3 and "707/".ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S440 | 2 | range near lock\$3 and (MGL or "multigranularity locking") | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|----------|------|---|---|----|----|------------------|
| S44 1 | 354 | additional with lock with mode | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S44 2 | 8 | additional with lock with mode and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S44 3 | 30 | non-serializable | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S44 4 | 524 | index adj lock\$3 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S44 5 | 0 | s-non-serializable | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S44 6 | 4179 | (two multiple) with lock\$3 with mode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S44 7 | 28 | (two multiple) near2 lock\$3 with mode and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S44 8 | 0 | neighborhood with lock and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S44 9 | 104 | non-serializ\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S45 0 | 6 | non-serializ\$4 with (read lock write)\ | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|----------|----|--|---|----|-----|------------------|
| S45 1 | 81 | index with lock same (read write) and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S45 2 | 0 | xw adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S45 3 | 1 | non adj2 serializable with lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S45 4 | 1 | "index lock scheme" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S45 5 | 1 | ("5485607").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/02/23 15:10 |
| S45 6 | 1 | non-serializab\$5 with lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S45 7 | 1 | non-serializab\$5 with (lock scan read) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S45 8 | 1 | ("6618720").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/02/23 15:10 |
| S45 9 | 2 | neighborhood with lock and database | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S46 0 | 1 | ("20050289188").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/02/23 15:10 |
| S46 1 | 1 | ("6009425").PN. | US-PGPUB; USPAT; USOCR; EPO | OR | OFF | 2007/02/23 15:10 |
| S46 2 | 4 | free with space with tuple | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|----------|----|--|--|----|----|------------------|
| S46 3 | 5 | index with space with lock and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S46 4 | 70 | neighborhood adj2 lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S46 5 | 7 | non adj2 serializable with transaction | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S46 6 | 10 | neighborhood adj2 locking | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S46 7 | 7 | index with space with lock and ("707/").ccls" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S46 8 | 69 | free adj2 space adj2 record | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S46 9 | 52 | free adj2 space adj4 (record or tuple) and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S47 0 | 4 | "first locking mode" same "second locking mode" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S47 1 | 6 | non\$1serializ\$ adj2 (scan or search or query or transaction) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S47 2 | 5 | index with space with lock and ("707/").ccls. | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2007/02/23 15:10 |
| S47 3 | 41 | database with lock with serial | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S47 4 | 12 | data adj2 item adj2 lock with database | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S47 5 | 29 | partial adj2 lock same database | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S47 6 | 2 | free adj space with lock same database | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S47 7 | 44 | index with tuples with table and ("707/").ccls" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|----------|----|---|--|----|----|------------------|
| S47 8 | 18 | space adj2 between adj2 (row or tuples or data) with lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S47 9 | 4 | space adj2 between adj2 (row or tuples or data) with data\$base | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S48 0 | 25 | "hash lock" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S48 1 | 2 | row adj index with lock same data\$base | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S48 2 | 51 | snei | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S48 3 | 18 | xnei | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S48 4 | 96 | database with lock\$ with scheme | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S48 5 | 16 | access adj privileges with (data adj item) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S48 6 | 18 | still adj2 allow adj2 read | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S48 7 | 22 | "tree index" and database and lock with mode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S48 8 | 21 | "tree index" and ("707/").ccls. and lock with mode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S48 9 | 19 | new adj2 lock adj2 mode | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:10 |
| S49 0 | 7 | (non adj serializable) with transaction | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S49 1 | 7 | (non adj serializable) with transaction | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |

EAST Search History

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|----------|-----|---|--|----|----|------------------|
| S49 2 | 6 | (non-serializable) with transaction | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S49 3 | 10 | new adj lock adj type | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S49 4 | 32 | non-serializab\$5 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S49 5 | 34 | non adj serializab\$5 | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:10 |
| S49 6 | 100 | (neighborhood range) adj lock\$3 and "707/".ccls. and database | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S49 7 | 2 | non-serializ\$ adj (read scan lock transaction) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S49 8 | 9 | sn adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S49 9 | 3 | new adj lock adj modes same (dbms database) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S50 0 | 29 | index adj lock and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S50 1 | 3 | index adj lock and (lock near2 item) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:11 |

EAST Search History

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|----------|----|---|---|----|----|------------------|
| S50 2 | 22 | read adj lock with (neighborhood space) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S50 3 | 5 | (database near index) same (free adj space) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:11 |
| S50 4 | 3 | (database near index) same (space) and \$serializable | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:11 |
| S50 5 | 61 | neighborhood near lock | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:11 |
| S50 6 | 2 | range near lock\$3 and MGL | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:11 |
| S50 7 | 3 | range near lock\$3 and (MGL or "multi-granularity locking") | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:11 |
| S50 8 | 12 | range near between near (tuples records) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:11 |
| S50 9 | 66 | (new additional) with lock with mode and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S51 0 | 6 | non-serializable with (transaction mode read) | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S51 1 | 45 | index adj lock\$3 and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S51 2 | 72 | (two multiple) with lock\$3 with mode and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:11 |
| S51 3 | 30 | non-serializable | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:11 |

EAST Search History

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|----------|-----|--|---|----|----|------------------|
| S51 4 | 6 | non-serializ\$4 with (read lock write) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S51 5 | 81 | index with lock same (read write) and ("707/").ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S51 6 | 40 | index near2 lock\$3 same (read write) and ("707/").ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S51 7 | 37 | mohan-chandrasekaran.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:11 |
| S51 8 | 37 | ("3916387" "4677550" "4754326" "4821336" "4823310" "4914569" "4945474" "4965516" "5010478" "5123104" "5218696" "5230047" "5237678" "5430869" "5440732" "5475837" "5485607" "5490258" "5495609" "5537574" "5551027" "5551046" "5560007" "5694608" "5717919" "5812996" "5832508").PN. OR ("6009425").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:11 |
| S51 9 | 10 | ("6009425").URPN. | USPAT | OR | ON | 2007/02/23 15:11 |
| S52 0 | 195 | database same lock with row | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:11 |
| S52 1 | 125 | lock\$ with mode with database | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:11 |
| S52 2 | 136 | (neighborhood range) adj lock\$3 and "707/".ccls. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:11 |

EAST Search History

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|----------|------|---|---|----|----|------------------|
| S52 3 | 296 | index adj lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S52 4 | 225 | index with lock and ("707/").ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:11 |
| S52 5 | 308 | neighborhood with lock | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S52 6 | 678 | range adj locking | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:11 |
| S52 7 | 1990 | mohan.in. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/23 15:11 |
| S52 8 | 43 | ("20030078910" "20030200212" "20040015642" "20040267747" "20040139116" "20040205066" "20040220933" "20040267747" "4627019" "4875159" "5170480" "5280612" "5287496" "5313629" "5390316" "5410697" "5423037" "5440727" "5452445" "5485607" "5497483" "5555404" "5577240" "5586310" "5621795" "5701480" "5708812" "5737601" "5758337" "5781910" "5796999" "5806075" "5809503" "5852715" "5870758" "5923833" "5974427" "6009425" "6122645" "6233585" "6295610" "6351753" "6631478" "6647510").PN. | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:39 |
| S52 9 | 30 | S528 and lock | US-PGPUB; USPAT; USOCR; EPO; IBM_TDB | OR | ON | 2007/02/23 15:48 |